

#3

FIGURE 1

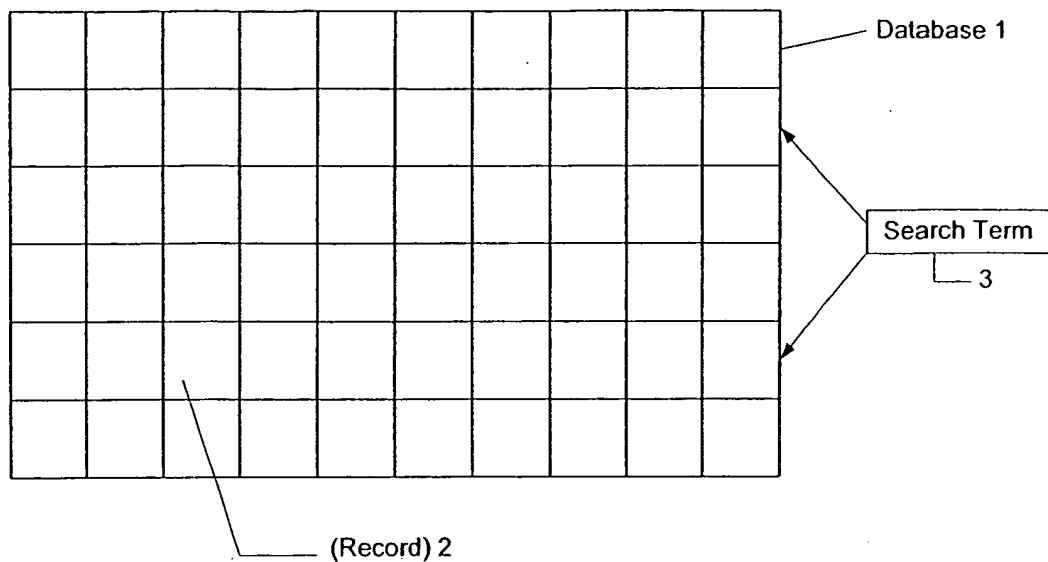


FIGURE 2

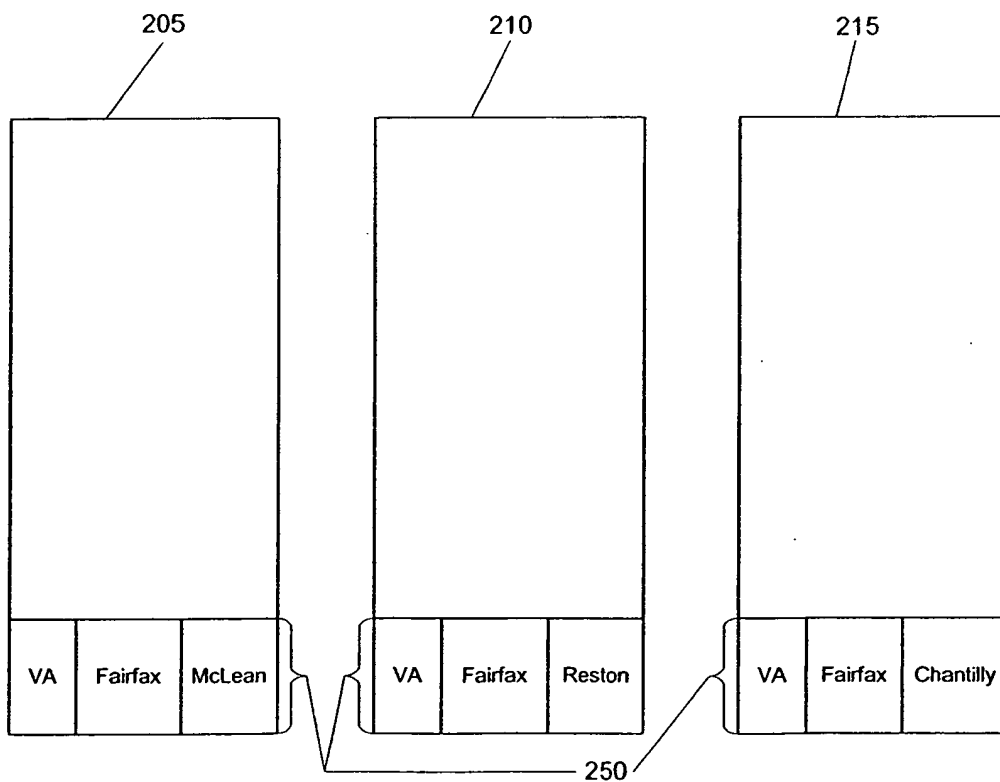


FIGURE 3

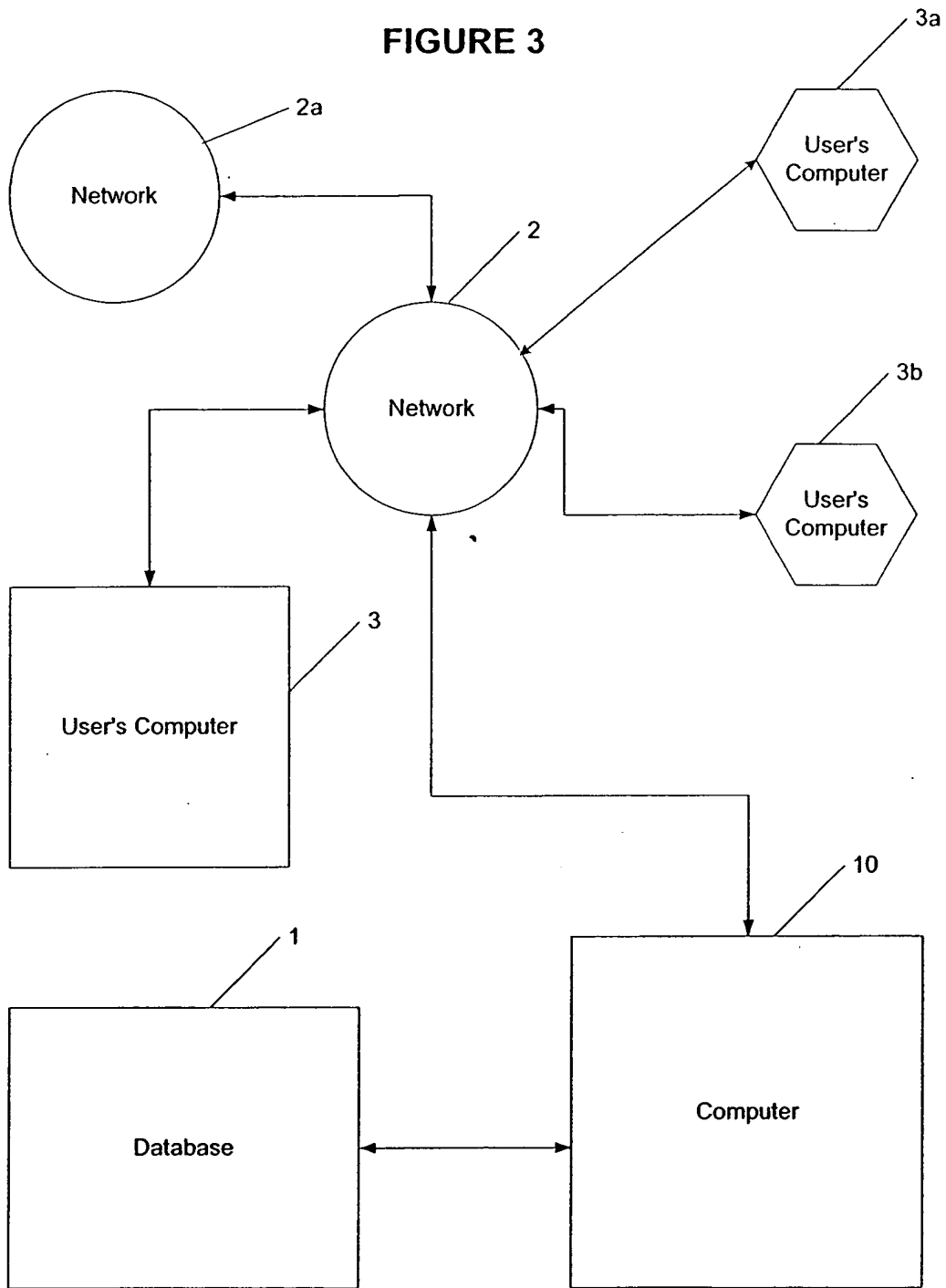
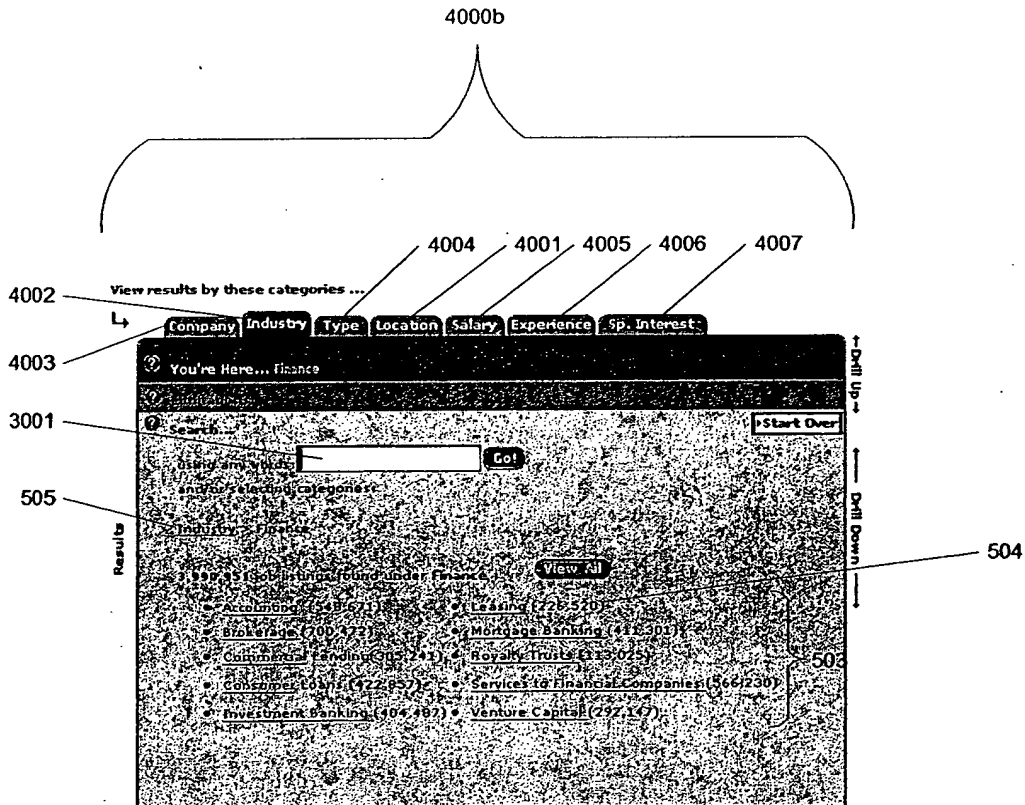
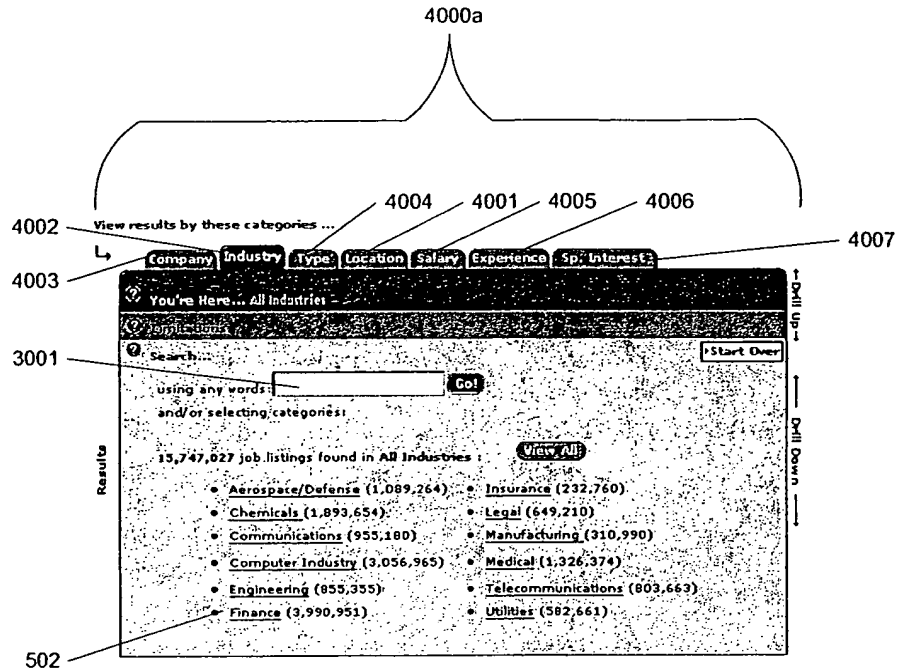
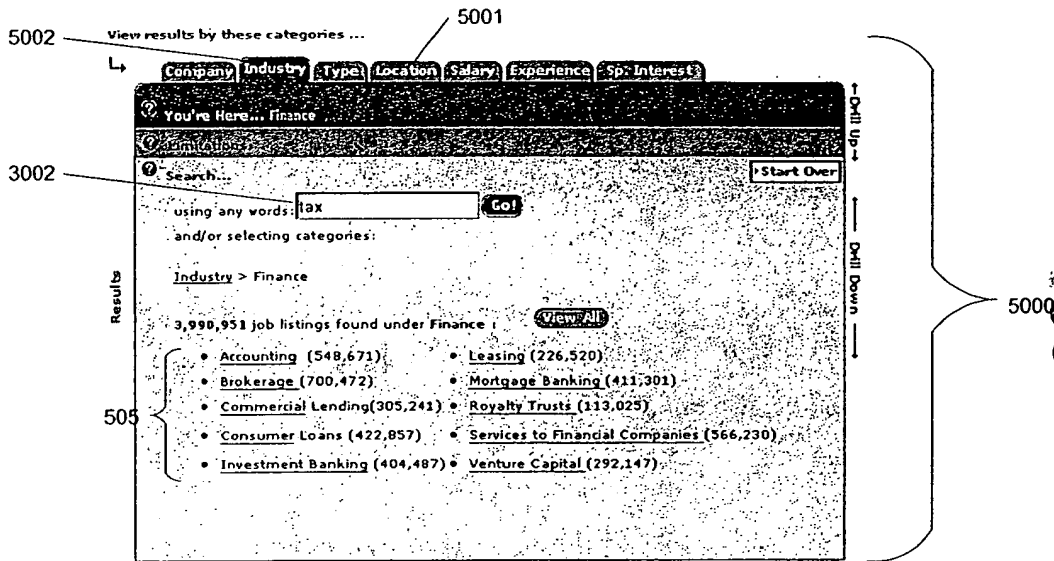


FIGURE 4

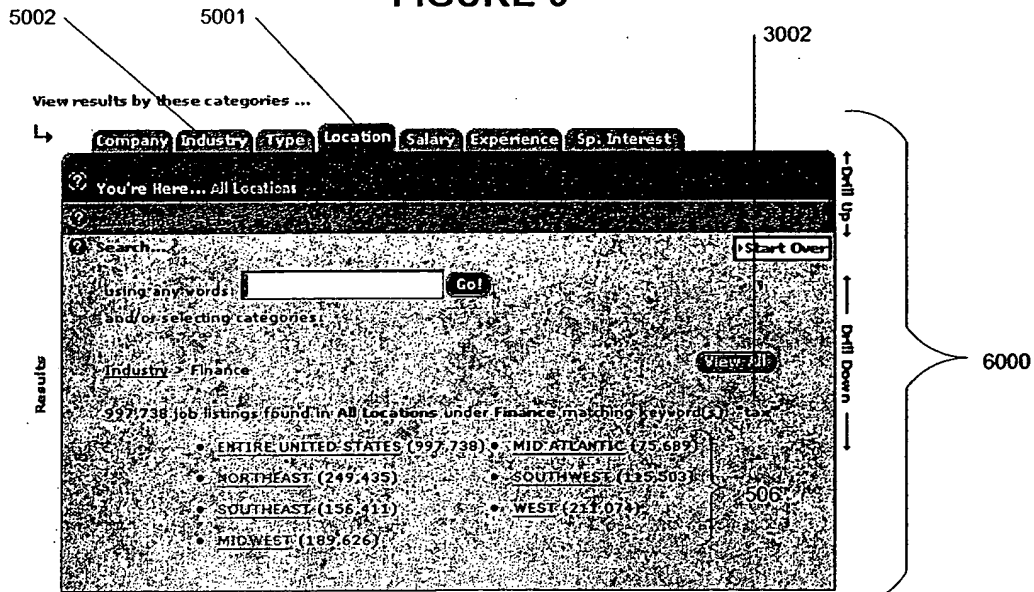


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# FIGURE 5



# FIGURE 6



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FIGURE 7

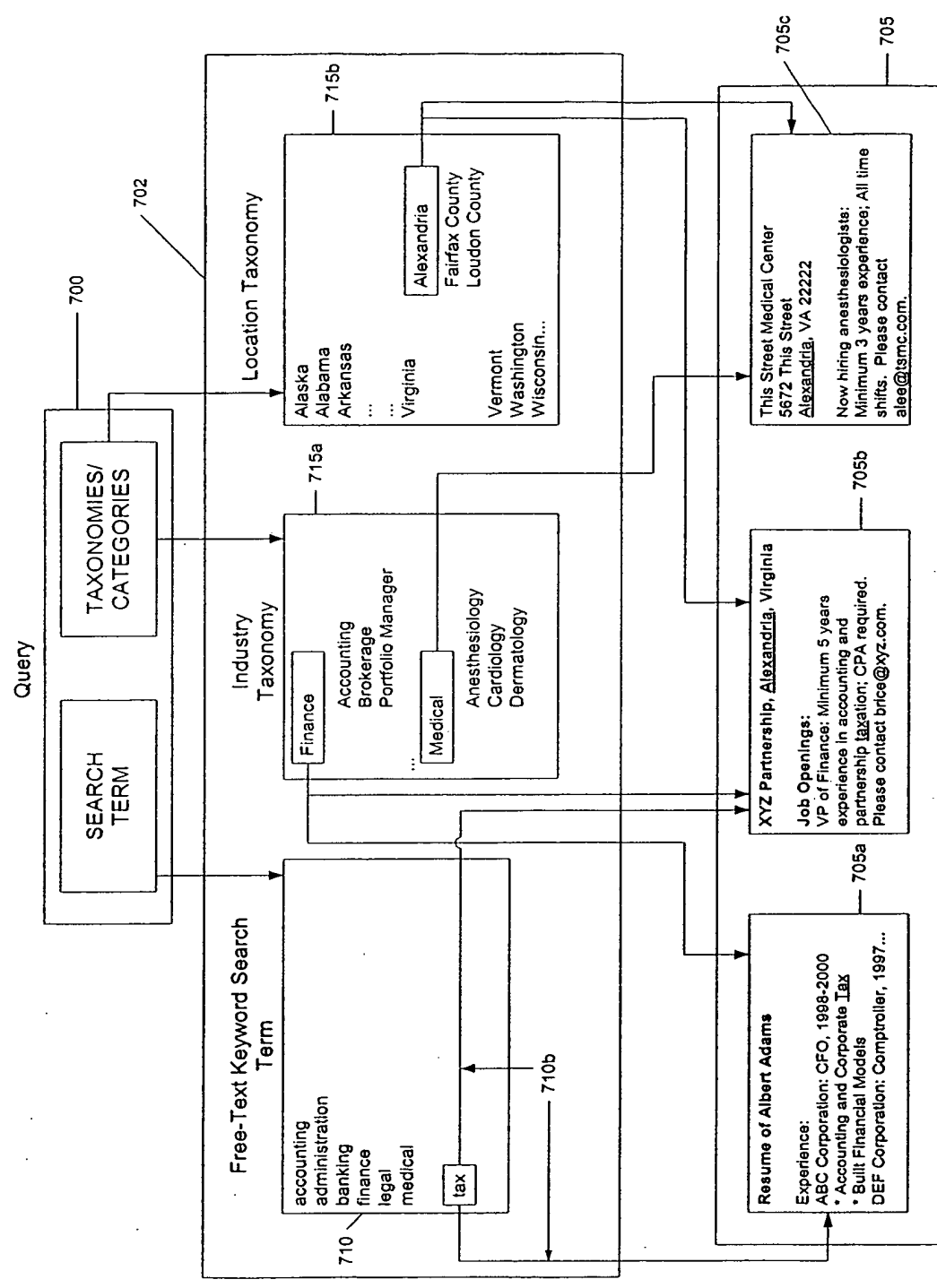
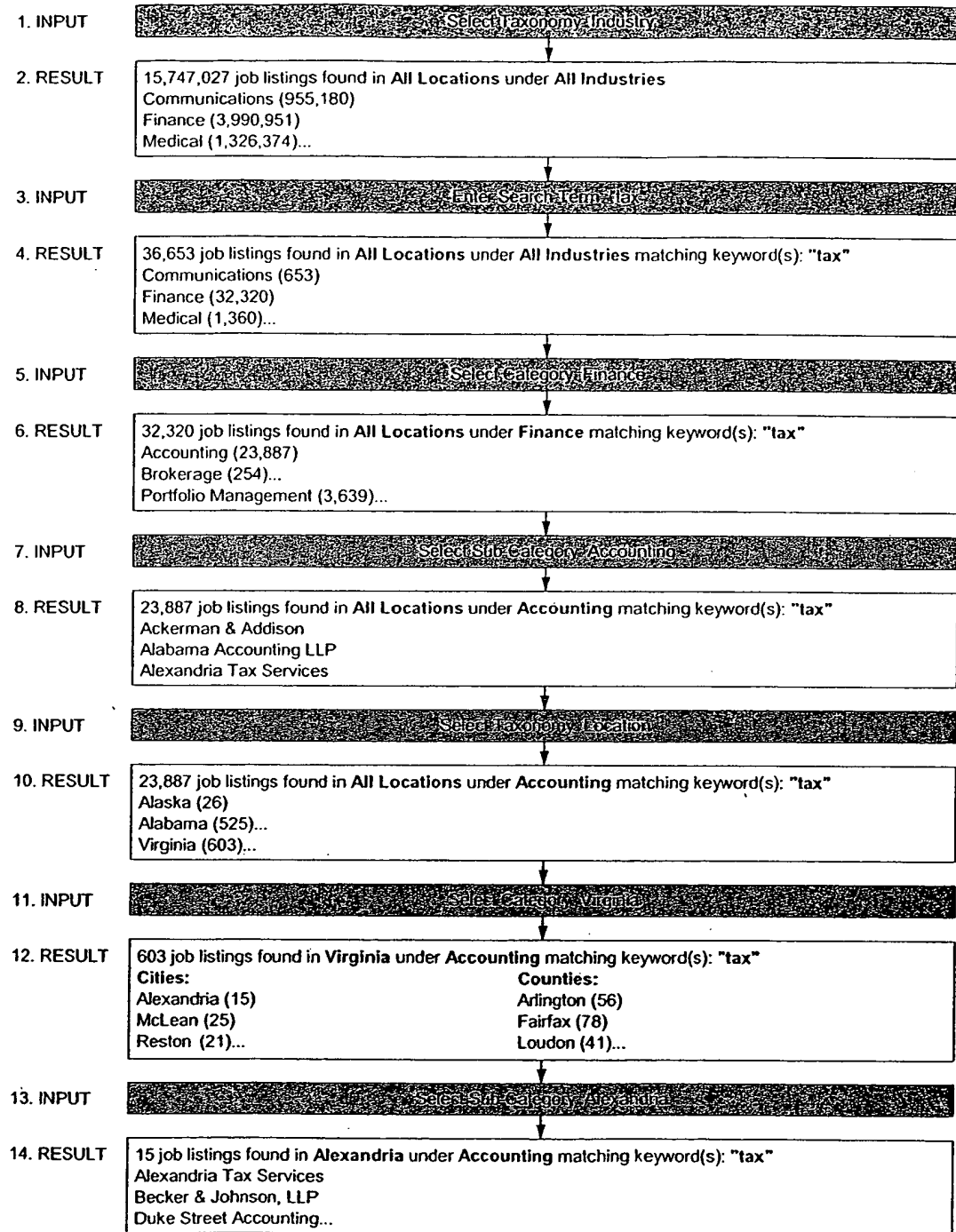


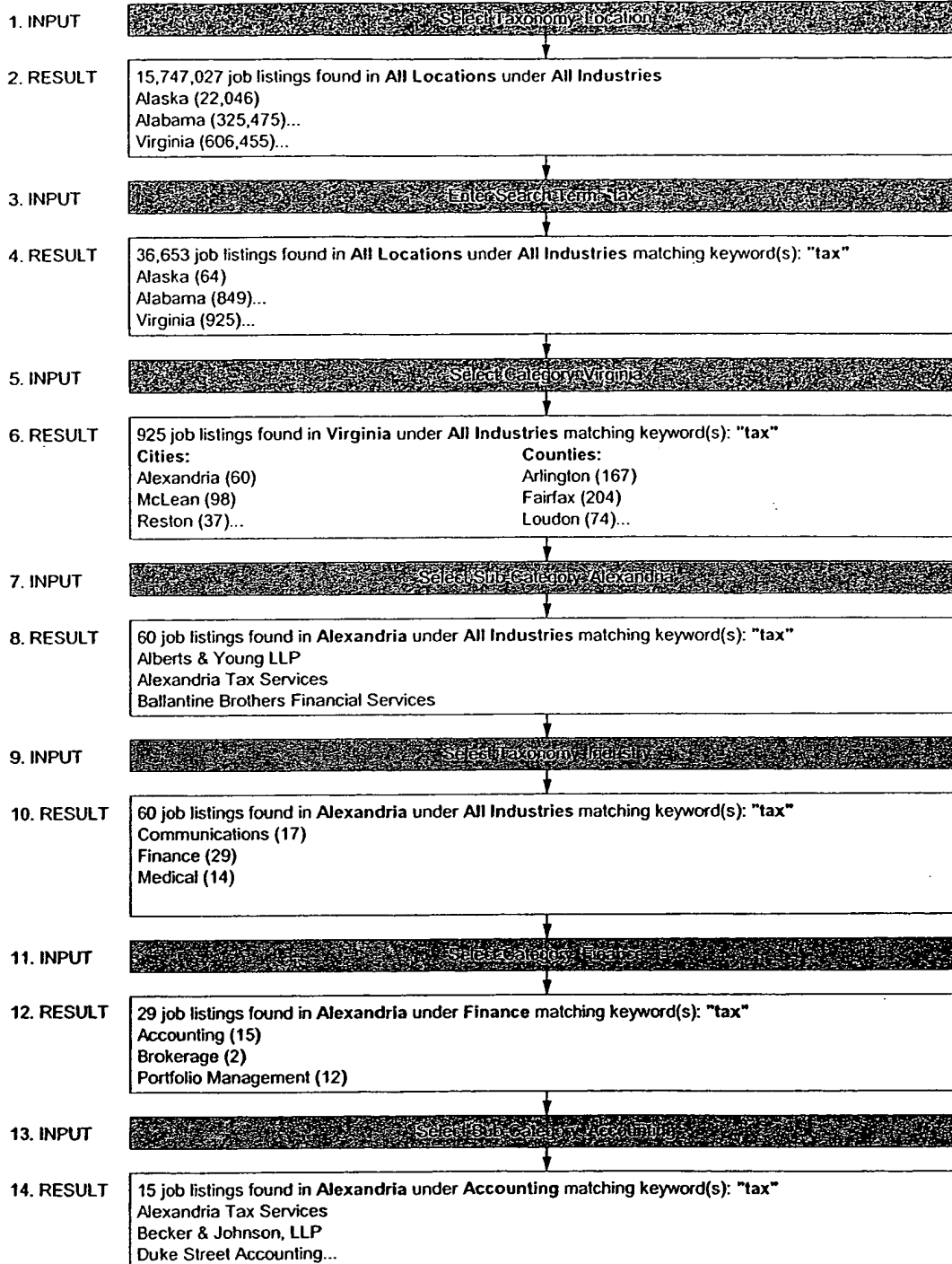
FIGURE 8



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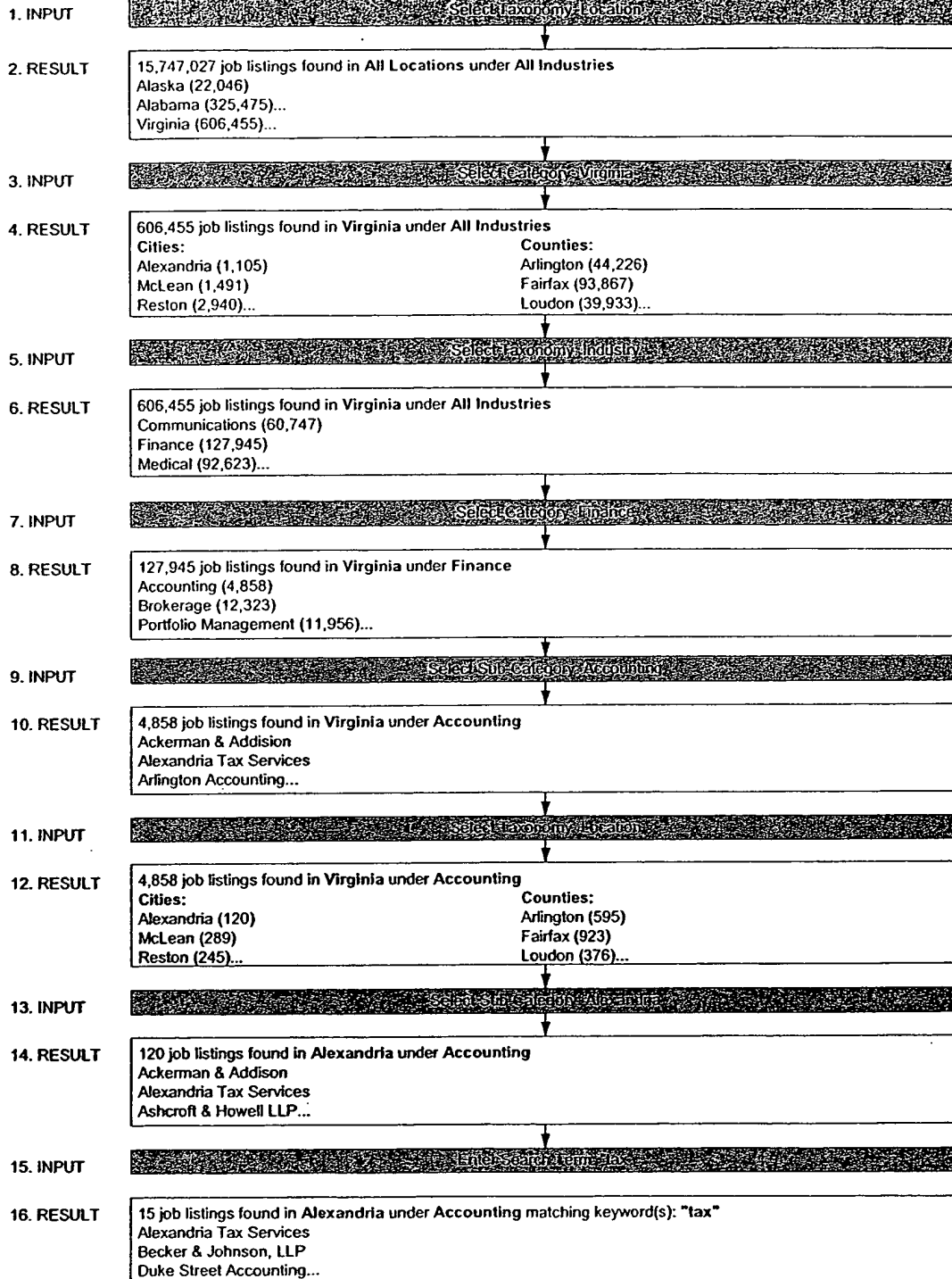
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# FIGURE 9



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FIGURE 10

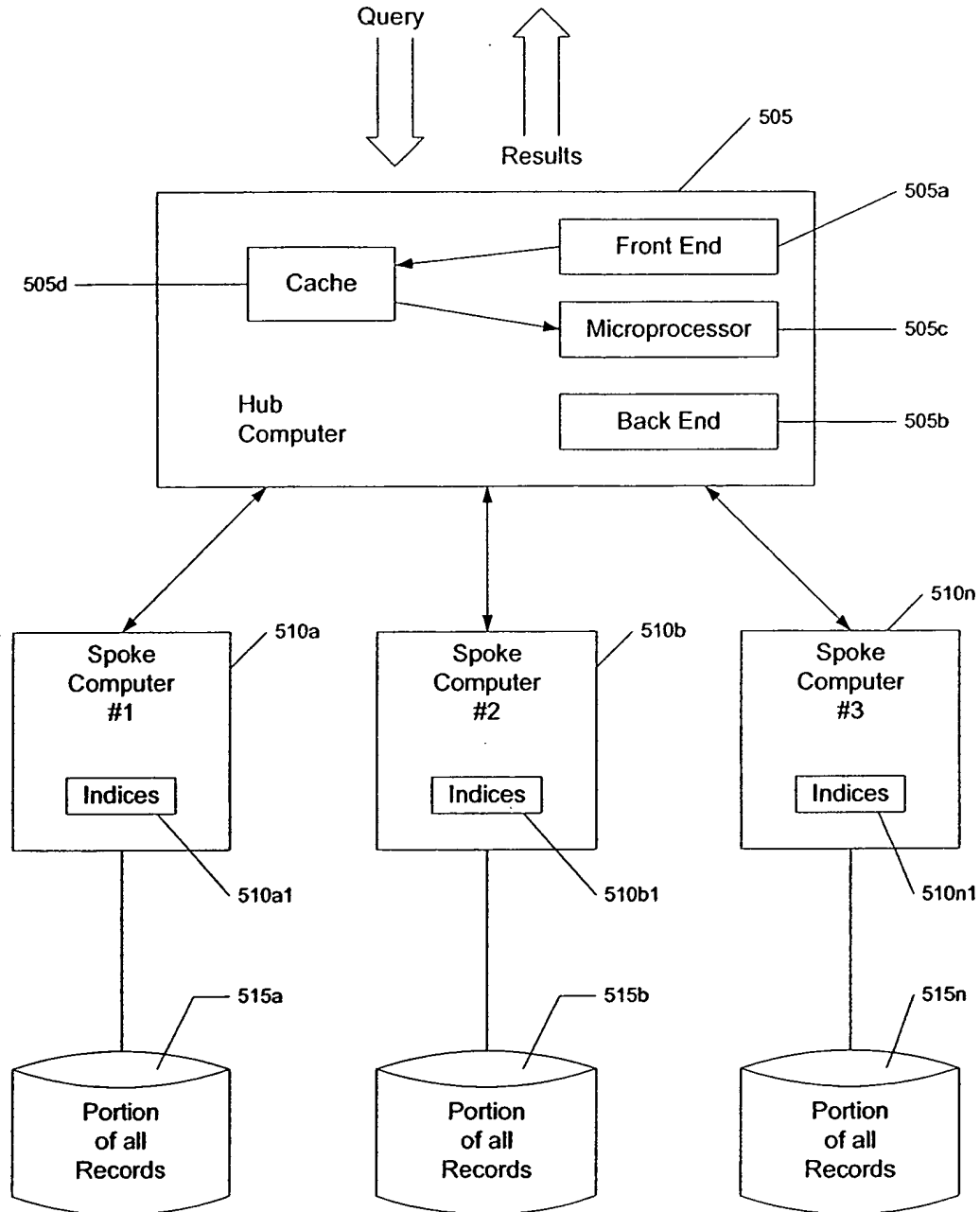


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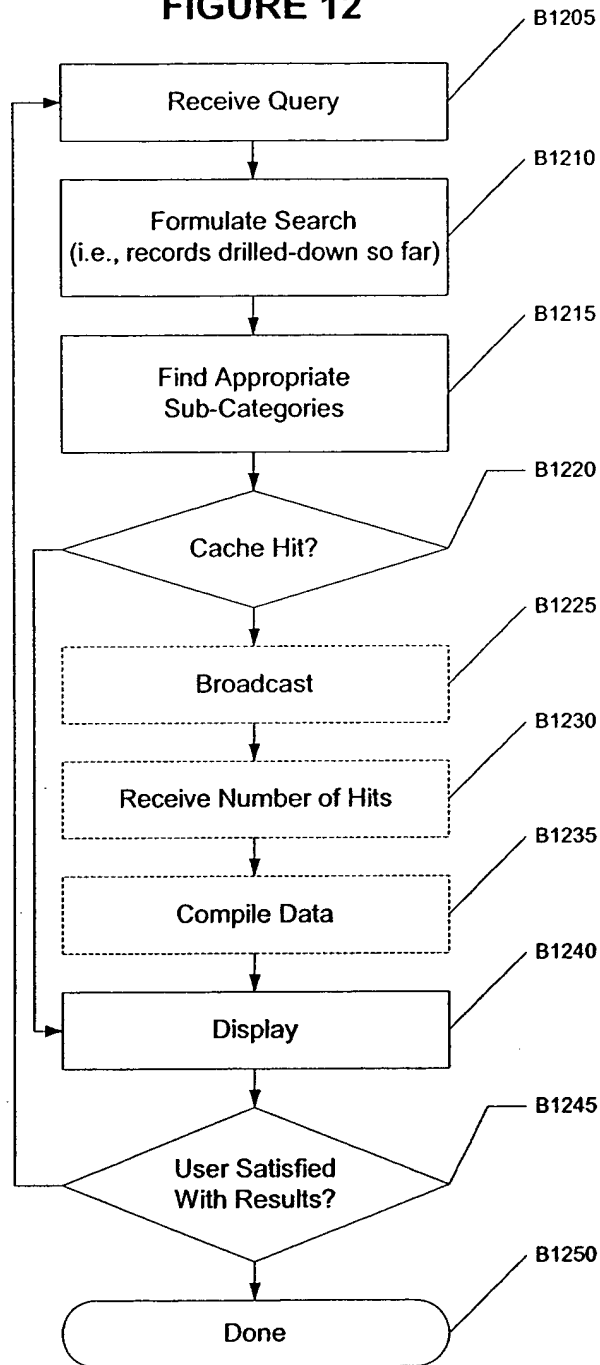
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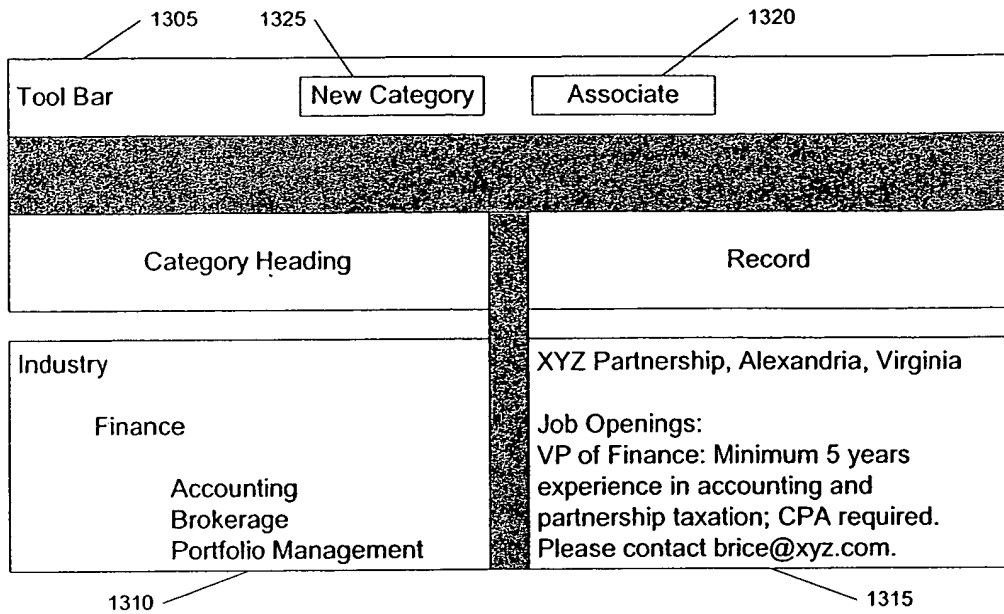
FIGURE 11



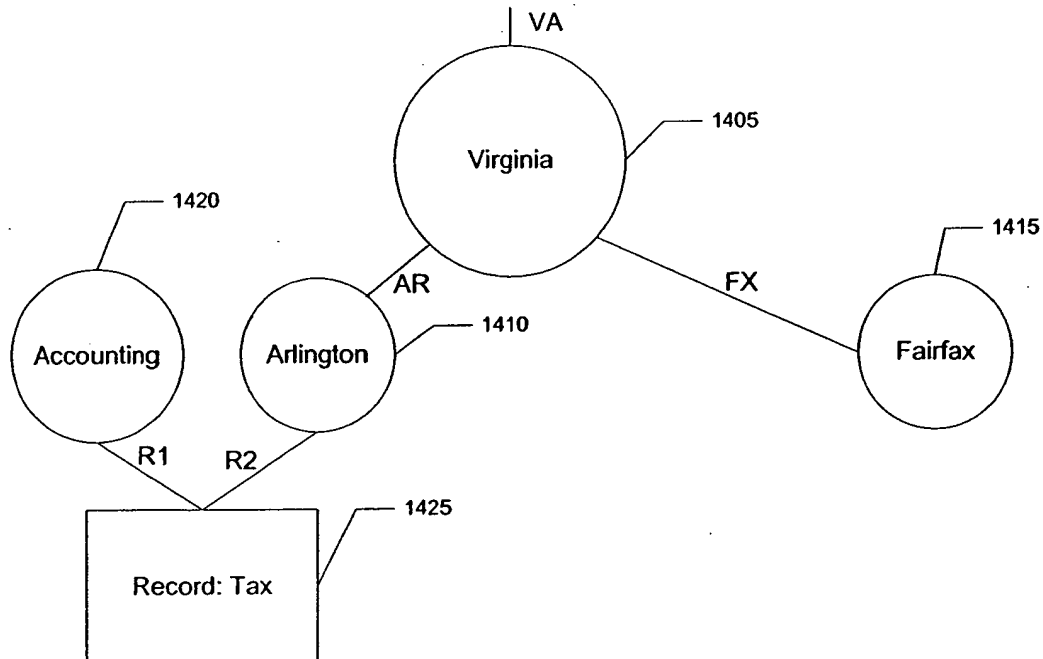
**FIGURE 12**

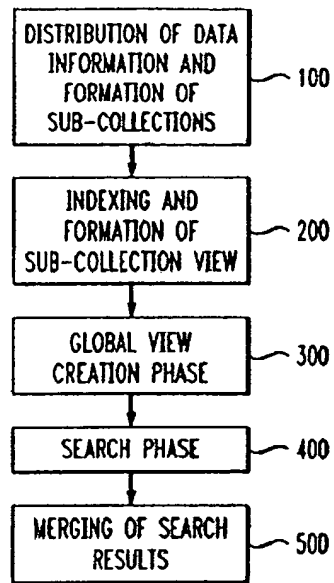


# FIGURE 13



# FIGURE 14





**FIGURE 15**

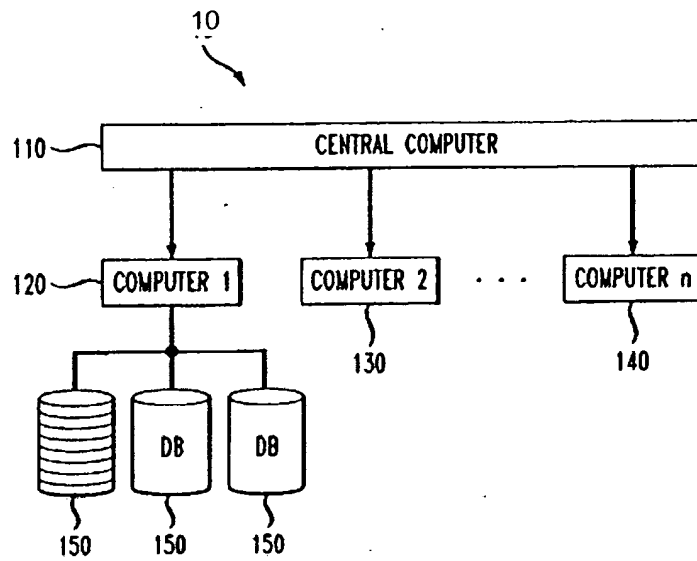


FIGURE 16

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WORD <sub>1</sub> → DOCUMENT <sub>1</sub> , WEIGHT <sub>1</sub> ; DOCUMENT <sub>2</sub> , WEIGHT <sub>2</sub> ; ...; DOCUMENT <sub>x</sub> , WEIGHT <sub>j</sub>	220
WORD <sub>2</sub> → DOCUMENT <sub>1</sub> , WEIGHT <sub>3</sub> ; DOCUMENT <sub>2</sub> , WEIGHT <sub>4</sub> ; ...; DOCUMENT <sub>x</sub> , WEIGHT <sub>k</sub>	230
⋮	
WORD <sub>n</sub> → DOCUMENT <sub>1</sub> , WEIGHT <sub>5</sub> ; DOCUMENT <sub>2</sub> , WEIGHT <sub>6</sub> ; ...; DOCUMENT <sub>x</sub> , WEIGHT <sub>l</sub>	240

FIGURE 17

TOTAL NUMBER OF DOCUMENTS IN SUB-COLLECTION	
WORD <sub>1</sub>	NUMBER OF DOCUMENTS IN SUB-COLLECTION THAT CONTAIN WORD <sub>1</sub>
WORD <sub>2</sub>	NUMBER OF DOCUMENTS IN SUB-COLLECTION THAT CONTAIN WORD <sub>2</sub>
.	.
.	.
.	.
WORD <sub>n</sub>	NUMBER OF DOCUMENTS IN SUB-COLLECTION THAT CONTAIN WORD <sub>n</sub>

FIGURE 18

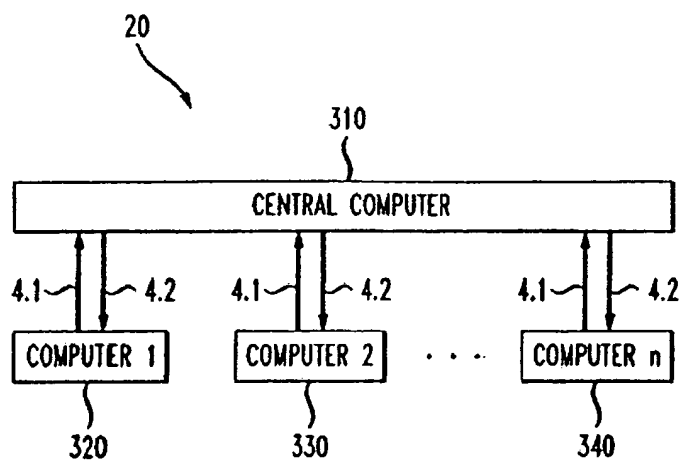


FIGURE 19



TOTAL NUMBER OF DOCUMENTS IN ALL OF THE SUB-COLLECTIONS	
WORD <sub>1</sub>	TOTAL NUMBER OF DOCUMENTS THAT CONTAIN WORD <sub>1</sub>
WORD <sub>2</sub>	TOTAL NUMBER OF DOCUMENTS THAT CONTAIN WORD <sub>2</sub>
.	.
.	.
.	.
WORD <sub>n</sub>	TOTAL NUMBER OF DOCUMENTS THAT CONTAIN WORD <sub>n</sub>

FIGURE 20